

APPENDIX A

INITIAL CONDITIONS

The following Initial Conditions shall be established prior to conducting the SINCGARS Radio Test Procedures:

A.1 TAOM SHELTER (OM)

A.1.1 OM Selector Switch. Ensure that the OM Selector Switch on the Digital Data Bus/Voice Communication Bus (DDB/VCB) Panel of the TAOM OM (Front) is set to the OM-1 position and that the TAOM OM Mode switch is set to DISTR A.

A.1.2 Communications Interface Unit (CIU), Radio Patch Panel (RPP) Remote Radar Switches. Check the settings of the Rotary Switches on the Communications Interface Unit (CIU) RPP/SEPP during the testing as follows:

UHF/VHF VOICE/DATA CKTS NO. 1, NO. 3, NO. 5 to VHF 1,
UHF/VHF VOICE/DATA CKTS NO. 2, NO. 4, and NO. 6 to VHF 2
RMT RDR CKT NO. 1 to VHF 1
RMT RDR CKT NO. 2 to VHF 2.

NOTE: Each of the CIU RPP rotary switch settings must be set up to use only one VHF radio connection at one time during testing.

A.1.3 TAOM OM Initialization. Initialize the TAOM OM as follows:

- a. Ensure that the TAOM OM is configured as a single stand-alone TAOM.
- b. Ensure that all the required equipment, (i.e. OCU WSS, PRU, CIU, DCU, PDCU, CUs, etc.) are up and operating. All required VHF radio equipment within the TAOM Internal Radio Unit (IRU) has power, approved radio frequencies have been set & tuned, any required radio hop set variables have been loaded, and the required encryption equipment is connected, powered on, and loaded with any required encryption variables. (NOTE: When operating in-plant, without the necessary antennas connected, it will be necessary to ensure that attenuators (dummy loads) have been hooked up to the Radio Demarcation Panel (RDP) outside the TAOM.
- c. Restore the Mass Memory Controller (MMC) files for System Initialization (SI) Data Base A using either a properly configured, pre-recorded, eight (8) millimeter Digital Audio Tape (DAT) or from a pre-existing OCU WS Hard Disk file, containing the data specified in Appendix B.
- d. Perform an Initial Program Load (IPL) from Computer Unit (CU) # 1-1.
- e. Place the OCU WSS to be utilized ON-LINE.
- f. Ensure that OCU WSS have both the Push-To-Talk (PTT) operator footswitches and Headsets connected to OCU WSS to be used.

- g. CONNECT the AN/HYX-57 wireline adapters to the TAOM's Radios and to the Remote Radar modem/radios to be utilized for testing (i.e. MIG or TIU).

A.2 Remote Radar (RR) TAOM Interface Unit (TIU)

Ensure that all the required VHF radio equipment and associated encryption equipment is up and operating at the TIU for the Remote Radar.

NOTE: Although not required for the TD-17 checklist execution, it is a good idea to have an additional VHF radio available at the remote radar site, equipped with a handset. This equipment is available for use in conducting voice coordination between the TAOM and the remote radar system, if remote radar site is separated from the TAOM shelter some distance.